

Case 3494***Atlanta inflata* Gray, 1850 (Mollusca, Gastropoda, PTEROTRACHEOIDEA, ATLANTIDAE): proposed conservation of the specific name**

Arie W. Janssen

National Natural History Museum, Leiden, The Netherlands
(e-mail: ariewjanssen@waldonet.net.mt)

Roger R. Seapy

California State University, Fullerton, California, U.S.A.
(e-mail: rseapy@fullerton.edu)

Abstract. The purpose of this application, under Article 23.9.5 of the Code, is to conserve the specific name of the heteropod *Atlanta inflata* Gray, 1850 (ATLANTIDAE), originally published as a primary homonym of the pteropod *Atlanta inflata* d'Orbigny, 1836 (usually cited as *Limacina inflata*, currently *Heliconoides inflata*) (LIMACINIDAE). Both names are in use and have not been considered congeneric since the 19th century. We propose to conserve the name *Atlanta inflata* Gray, 1850 by ruling that the name is not invalid by reason of being a junior primary homonym.

Keywords. Nomenclature; taxonomy; Gastropoda; Heteropoda; Pteropoda; PTEROTRACHEOIDEA; ATLANTIDAE; LIMACINIDAE; *Atlanta*; *Limacina*; *Atlanta inflata*; *Heliconoides inflata*; gastropods.

1. The genus *Atlanta* was described by Lesueur (1817, p. 390) and included two species. The type species (de Blainville, 1825, p. 493, subsequent designation) is *A. peronii* Lesueur, 1817 (p. 390), a holoplanktonic gastropod of the family ATLANTIDAE Rang, 1829 (superfamily PTEROTRACHEOIDEA Rafinesque, 1814, Heteropoda Lamarck, 1812) (Bouchet & Rocroi, 2005, pp. 88, 251).

2. The pteropod species *Atlanta inflata* d'Orbigny, 1836 is currently assigned to the genus *Heliconoides* d'Orbigny, 1836 (see Janssen, 2003, p. 168), but for a long time was considered to be a species of the genus *Limacina* (Thecosomata, LIMACINIDAE). Gray (1850b, p. 31) and Boas (1886, p. 48) were the first to transfer *Atlanta inflata* to the genus *Limacina*, followed by almost all later authors, although some used other, synonymous names, such as *Spirialis* or *Spiratella* (compare van der Spoel, 1967, p. 50; Janssen & Zorn, 2001, p. 148).

3. The name of the heteropod *Atlanta inflata* was formally introduced by Gray (1850a), who latinised the French vernacular name 'Atlante renflée', as published by Eydoux & Souleyet (1841?) and later by Souleyet (1852), under whose authorship the taxon is usually cited. Ever since its introduction, *Atlanta inflata* Gray, 1850 has been considered to belong to the genus *Atlanta* (e.g. Tesch, 1906, pp. 8, 55; van der Spoel, 1976, p. 149 (and many references therein); Richter, 1987, p. 179; Seapy, 1990, p. 123; Richter & Seapy, 1999, p. 636).

Some authors (Thiriot-Quévieux, 1969, p. 354; Abbott, 1974, p. 133) used the name *Atlanta quoyii* Gray, 1850 (or its junior synonym *A. quoyana* Souleyet, 1852) instead of *A. inflata*. That taxon was considered to be a probable synonym of *A. inflata* by Tesch (1908, p. 20), which was acknowledged by Richter (1974, p. 62), who, acting as First Reviser (Article 24.2.1 of the Code), fixed precedence of the name *Atlanta inflata*. Unlike *A. inflata*, no syntypical material of *A. quoyii* remains.

4. Both names, *Atlanta inflata* d'Orbigny, 1836 (currently *Heliconoides inflata*) and *Atlanta inflata* Gray, 1850, have been in common use for over a hundred years, and the latter has never been referred to another genus (van der Spoel, 1976, p. 149). Introducing a replacement name for the well-known name *Atlanta inflata* Gray, 1850 offers nothing but loss of information and confusion. This application for the conservation of prevailing usage is submitted in the interest of stability and in accordance with Article 23.9.5 of the Code (names not considered congeneric after 1899).

5. The International Commission on Zoological Nomenclature is accordingly asked:

- (1) to use its plenary power to rule that the specific name *Atlanta inflata* Gray, 1850 is not invalid by reason of being a junior primary homonym of *Atlanta inflata* d'Orbigny, 1836;
- (2) to place on the Official List of Specific Names in Zoology the following names:
 - (a) *inflata* Gray, 1850, as published in the binomen *Atlanta inflata*, with the endorsement that it is not invalid by reason of being a junior primary homonym of *Atlanta inflata* d'Orbigny, 1836;
 - (b) *inflata* d'Orbigny, 1836, as published in the binomen *Atlanta inflata*.

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- Note: The atlas was published undated and only vernacular names were given. Smith (1888) and van der Spoel (1976, implicitly, see e.g. p. 207) referred to the atlas with the year 1841. According to Tesch (1908, p. 25, footnote) the atlas appeared in 1842. Sherborn & Woodward (1901: 391) mentioned as publication date '1846–1849?'. Also Bauchot et al. (1982) were not able to date the atlas with certainty. Dance (1986, p. 237) cited atlas & text together as 1841–1852.

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